

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION</b> IN AN APPLICATION (Use several sheets if necessary)			Docket Number (Optional) BIV-052.02(21459-5202)	Application Number 09/435,733		
			Applicant Galdes et al.			
			Filing Date November 8, 1999	Group Art Unit 1646		
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
WY	HQ WO 95/18856	07/13/95	PCT			X
WY	HR WO 99/ 29854	06/17/99	PCT			X
<b>OTHER DOCUMENTS</b>			(Including Author, Title, Date, Pertinent Pages, Etc.)			
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## INFORMATION DISCLOSURE CITATION

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Group Art Unit

1646

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MM	AA 4,456,687	06/26/84	Green	435	241	12/01/80
	AB 5,223,408	06/29/93	Goeddel et al.	435	69.3	07/11/91
	AC 5,585,087	12/17/96	Lustig et al.	424	9.2	06/08/94
	AD 5,643,915	07/01/97	Andrusis, Jr. et al.	514	279	06/06/95
	AE 5,747,507	05/05/98	Ikegaki et al.	514	312	08/10/93
	AF 5,759,811	06/02/98	Epstein et al.	435	69.1	11/13/96
	AG 5,789,543	08/04/98	Ingham et al.	530	350	12/30/93
	AH 5,837,538	11/17/98	Scott et al.	435	325	10/06/95
↓	AI 5,844,079	12/01/98	Ingham et al.	530	350	12/14/94

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
MM	AJ WO 90/02809	3/22/90	PCT	C 12P	21/00		
	AK WO 92/15679	9/17/92	PCT	C 12N	15/10		
	AL WO 94/28016	12/08/94	PCT	C 07K	13/00		
	AM WO 95/23223	08/31/95	PCT	C 12N	15/00		
	AN WO 96/09806	04/04/96	PCT				
	AO WO 96/11260	04/18/96	PCT	C 12N	5/00		
	AP WO 96/16668	06/06/96	PCT	A 61K	38/17		
	AQ WO 96/17924	06/13/96	PCT	C 12N			
	AR WO 97/11095	03/27/97	PCT	C 07K	14/475		
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	AX WO 98/30576	07/16/98	PCT	C 07K	1/100		
	AY WO 98/35020	08/13/98	PCT	C 12N	5/00		
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	BA WO 99/00403	01/07/99	PCT	C 07H	21/02		

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	BS	WO 99/10004	03/04/99	PCT	A 61K	38/00	RECEIVED JULY 25 2000 TECH CENTER 1600 USPTO
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	BF	EP 0249 873 A2	06/10/87	European Patent Application			
	BG	EP 0879888 A2	11/25/98	European Patent Application	C 12N	15/12	
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	BJ	JP 02 27 36 10		Japan			
	BK	JP 04 30 55 28		Japan			

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WY	BL	Anderson, R. et al., "Maintenance of ZPA signaling in cultured mouse limb bud cells", <i>Devel.</i> <u>117</u> :1421-1433 (1993).
	BM	Angier, N., "Biologists find key genes that shape patterning of embryos", <i>New York Times</i> , Jan. 11, 1994, C-1.
	BN	Apfel, S. et al.; "Nerve Growth Factor Prevents Toxic Neuropathy in Mice", <i>Ann. Neurol.</i> , <u>29</u> : 87-90 (1991).
	BO	Apfel, S. et al.; "Nerve Growth Factor Prevents Experimental Cisplatin Neuropathy ", <i>Ann. Neurol.</i> <u>31</u> : 76-80 (1992 ).
	BP	Basler, K. and G. Struhl, "Compartment boundaries and the control of <i>Drosophila</i> limb pattern by Hedgehog protein", <i>Nature</i> <u>368</u> :208-214 (1994).
	BQ	Basler, K. et al., "Control of cell pattern in the neural tube: Regulation of cell differentiation by <i>dorsalin-1</i> , a novel TGF $\beta$ family member", <i>Cell</i> <u>73</u> :687-702 (1993).
	BR	Bass, S. et al., "Hormone phage: An enrichment method for variant proteins with altered binding properties", <i>PROTEINS: Structure, Function, and Genetics</i> <u>8</u> :309-314 (1990).
	BS	Bejsovec, A. and E. Wieschaus, "Segment polarity gene interactions modulate epidermal patterning in <i>Drosophila</i> embryos", <i>Development</i> <u>119</u> :501-517 (1993).
	BT	Biern, M., "Homeotic genes and positional signalling in the <i>Drosophila</i> viscera", <i>TIG</i> <u>10</u> :22-26 (Jan. 1994).
	BU	Bitgood, M. and A. McMahon, "Hedgehog and Bmp genes are coexpressed at many diverse sites of cell-cell cnteraction in the mouse embryo", <i>Dev. Biol.</i> <u>172</u> (1):126-138 (1995).
	BV	Blair, S. S., "Hedghog digs up an old friend ", <i>Nature</i> , <u>373</u> :656-657 (23 Feb. 1995).
	BW	Brand-Saberi, B. et al., "The ventralizing effect of the notochord on somite differentiation in chick embryos", <i>Anat. Embryol.</i> <u>188</u> :239-245 (1993).
	BX	Brockes, J., "We may not have a morphogen", <i>Nature</i> <u>350</u> :15 (1991).
	BY	Bumcrot, D. A. et al., "Proteolytic processing yields two secreted forms of sonic hedgehog", <i>Mol. Cell. Biol.</i> <u>15</u> (4):2294-2303 (April 1995).
	BZ	Bumcrot, D. A. and A. McMahon, "Sonic hedgehog: Making the gradient", <i>Chem. Biol.</i> <u>3</u> (1):13-16 (Jan 1996).
	CA	Bumcrot, D. A. and A. McMahon, "Somite differentiation. Sonic signals somites", <i>Curr. Biol.</i> <u>5</u> (6):612-614 (June 1995).
	CB	Charité, J. et al., "Ectopic expression of <i>Hoxb-8</i> causes duplication of the ZPA in the forelimb and homeotic transformation of axial structures", <i>Cell</i> <u>78</u> :589-601 (1994).

CC	Coffman, et al., "Xotch, the X <del>mouse</del> homolog of Drosophila notch", <i>Science</i> <u>249</u> :1438-1441 (1990).
CD	Concordet, J. and P. Ingham, "Developmental biology. Patterning goes sonic", <i>Nature</i> <u>375</u> (6529):279-280 (May 1995).
CE	Berry, et al., "Sequence analysis reveals homology between two proteins of the flagellar radial spoke", <i>Mol. Cell. Biol.</i> <u>12</u> :3967-3977 (1992).
CF	Davidson, E. H., "How embryos work: a comparative view of diverse modes of cell fate specification", <i>Develop.</i> <u>108</u> :365-389 (1990).
CG	Davis, A. P. and M. R. Capecchi, "Axial homeosis and appendicular skeleton defects in mice with a targeted disruption of <i>hoxd-1</i> ", <i>Devel.</i> <u>120</u> :2187-2198 (1994).
CH	Dickinson, W., "Molecules and morphology: Where's the homology", <i>TIG</i> <u>11</u> (4):119-120 (1995).
CI	Dingemanse, M. A. et al., "The expression of liver-specific genes within rat embryonic hepatocytes is a discontinuous process", <i>Differentiation</i> <u>56</u> :153-162 (1994).
CJ	Dollé, P. et al., "Coordinate expression of the murine <i>Hox-5</i> complex homeobox-containing genes during limb pattern formation", <i>Nature</i> <u>342</u> :767-772 (1989).
CK	Dollé, P. et al., "Disruption of the <i>Hoxd-13</i> gene induces localized heterochrony leading to mice with neotenic limbs", <i>Cell</i> <u>75</u> :431-441 (1993).
CL	Echelard, Y. et al., "Sonic hedgehog, a member of a family of putative signaling molecules, is implicated in the regulation of CNS polarity", <i>Cell</i> <u>75</u> :1417-1430 (1993).
CM	Ekker, S. et al., "Distinct expression and shared activities of members of the hedgehog gene family of <i>xenopus laevis</i> ", <i>Devel.</i> <u>121</u> (8):2337-2347 (Aug. 1995).
CN	Ericson, J. et al., "Sonic hedgehog induces the differentiation of ventral forebrain neurons: a common signal for ventral patterning within the neural tube", <i>Cell</i> <u>81</u> (5):747-756 (June 1995).
CO	Ettelaie, C. et al., "The effect of lipid peroxidation and lipolysis on the ability of lipoproteins to influence thromboplastin activity", <i>Biochim. Biophys. Acta.</i> <u>1257</u> (1):25-30 (June 1995).
CP	Fahmer, K. et al., "Transcription of <i>H-2</i> and <i>Qa</i> genes in embryonic and adult mice", <i>EMBO J.</i> <u>6</u> :1265-1271 (1987).
CQ	Fallon, J. F. et al., "FGF-2: Apical ectodermal ridge growth signal for chick limb development", <i>Science</i> <u>264</u> :104-107 (1994).
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CS	Fietz, M. et al., "The hedgehog gene family in <i>Drosophila</i> and vertebrate development", <i>Devel. (Suppl.)</i> :43-51 (1994).
CT	Forbes, A. J. et al., "Genetic analysis of hedgehog signaling in the <i>Drosophila</i> embryo", <i>Devel.</i> <u>119</u> (Suppl.):115-124 (1993).
CU	Francis, P. H. et al., "Bone morphogenetic proteins and a signaling pathway that controls patterning in the developing chick limb", <i>Devel.</i> <u>120</u> :209-218 (1994).
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CW	Gao, W. et al.; "Neurotrophin-3 Reserves Experimental Cisplatin-induced Peripheral Sensory Neuropathy", <i>Ann. Neurol.</i> <u>38</u> (1): 30-37 (July 1995).
CX	Gérard, M. et al., "Structure and activity of regulatory elements involved in the activation of the <i>Hoxd-11</i> gene during late gastrulation", <i>EMBO J.</i> <u>12</u> :3539-3550 (1993).
CY	Gurdon, J. B., "The generation of diversity and pattern in animal development", <i>Cell</i> <u>68</u> :185-199 (1992).
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DD	Hamers, F. et al.; "Cisplatin-induced Neuropathy in Mature Rats: Effects of the Macrocortin-derived Peptide ORG 2766", <i>Cancer Chemother. Pharmacol.</i> 32 : 162-166 (1993).
DE	Rummel, M. et al., "The world according to hedgehog", <i>T/G</i> 13(1):14-21 (1997).
DF	Haramis, A. et al., "The limb deformity mutation disrupts the SHH/ FGF-4 feedback loop and regulation of 5' HoxD genes during limb pattern formation", <i>Devel.</i> 121(12):4161-4170 (Dec. 1995).
DG	Hardy, A. et al., "Gene expression, polarising activity and skeletal patterning in reaggregated hind limb mesenchyme", <i>Devel.</i> 121(12):4329-4337 (Dec. 1995).
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DK	Heemskerk, J. and S. DiNardo, "Drosophila <i>hedgehog</i> acts as a morphogen in cellular patterning", <i>Cell</i> 76:449-460 (1994).
DL	Hidalgo, A. and P. Ingham, "Cell patterning in the <i>Drosophila</i> segment: spatial regulation of the segment polarity gene <i>patched</i> ", <i>Devel.</i> 110:291-301 (1990).
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DN	Hynes, R. O., "Integrins: A family of cell surface receptors", <i>Cell</i> 48:549-554 (1987).
DO	Ingham, P. W., "Signaling by hedgehog family proteins in <i>Drosophila</i> and vertebrate development", <i>Curr. Opin. Genet. Dev.</i> 5(4):478-484 (Aug 1995).
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DT	Izpisúa-Belmonte, J. -C. et al., "Expression of the homeobox Hox-4 genes and the specification of position in chick wing development", <i>Nature</i> 350:585-589 (1991).
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DW	Jessel, T. M. and D. A. Melton, "Diffusible factors in vertebrate embryonic induction", <i>Cell</i> 68:257-270 (1992).
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EG	Kornfeld, R. and S. Kornfeld, "Assembly of asparagine-linked oligosaccharides", <i>Ann. Rev. Biochem.</i> <u>54</u> :631-664(1985).
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EO	Levin, M. et al., "A molecular pathway determining left-right asymmetry in chick embryogenesis", <i>Cell</i> <u>82</u> (5):803-814 (Sept. 8, 1995).
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EQ	Lipton, R. et al.; "Taxol Produces a Predominantly Sensory Neuropathy", <i>Neurology</i> <u>39</u> : 368-373; (March, 1989 ).
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EX	Maccabe, J. A. and B. W. Parker "The target tissue of limb-bud polarizing activity in the induction of supernumerary structures", <i>J. Embryol. Exp. Morph.</i> <u>53</u> :67-73 (1979).
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	FE	Mohler, J. "Requirements for hedgehog, a segmental polarity gene, in patterning larval and adult cuticle of drosophila", <i>Genetics</i> <u>120</u> :1061-1072 (1988).
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	FG	Morgan, B. A. et al., "Targeted misexpression of Hox-4.6 in the avian limb bud causes apparent homeotic transformations", <i>Nature</i> <u>358</u> :236-239 (1992).
	FH	Mollman, J. , "Cisplatin Neurotoxicity ", <i>The New England Journal of Medicine</i> , <u>322</u> (2): 126-127 (Jan. 11, 1990).
	FI	Nakano, Y. et al., "A protein with several possible membrane-spanning domains encoded by the Drosophila segment polarity gene patched", <i>Nature</i> <u>341</u> :508-513 (1989).
	FJ	Ngo, J. et al., "Computational Complexity Protein", Merz and LeGrand, ed. @ Birkhause Boston (1994).
	FK	Niswander, L. and G. R. Martin, "FGF-4 and BMP-2 have opposite effects on limb growth", <i>Nature</i> <u>361</u> :68-71(1993).
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	FN	Nohno, T. et al., "Involvement of the Sonic hedgehog gene in chick feather formation", <i>Biochem. Biophys. Res. Comm.</i> <u>206</u> (1): 33-39 (Jan. 1995).
	FO	O'Farrell, P. H., "Unanimity waits in the wings", <i>Nature</i> <u>368</u> :188-189 (1994).
	FP	Parisi, M. J. et al., "The role of the hedgehog/patched signaling pathway in epithelial stem cell proliferation: From fly to human", <i>Cell Res.</i> <u>8</u> :15-21 (1998).
	FQ	Parr, B. A. et al., "Mouse Wnt genes exhibit discrete domains of expression in the early embryonic CNS and limb buds", <i>Development</i> <u>119</u> :247-261 (1993).
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	FT	Perrimon, N. et al., "Generating lineage-specific markers to study Drosophila development", <i>Develop. Genet.</i> , <u>12</u> :238-252 (1991).
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HM	Yun-Bo Shi, "Cell-cell and cell ECM interactions in epithelial apoptosis and cell renewal during frog intestinal development", <i>Cell Biochem. Biophys.</i> <u>27</u> :179-202 (1995).
HN	Zappavigna, et al., " <i>Hox4</i> genes encode transcription factors with potential auto- and cross-regulatory capacities ", <i>EMBO J.</i> <u>10</u> (13):4177-4187 (1991).
HO	Zardoya, et al., "Evolution and orthology of hedgehog genes", <i>TIG</i> <u>12</u> (12):496-497 (1996)
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